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Apr 61

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JPRS 4723

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28 pp.

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On Karyokinesis of Neurons and Regeneration of Cerebral
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NIH 11-1-63

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Sci - Biol & Med
Feb 64

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Howard U.

18 May 66

Lymphatic system of human endocardium

By: E. A. Dobrovolakaya-Zaitzera

From: Arch. Anat. Gistol I. Embriol V. 41 1961 pp76-81

(6 pp)

Russian - est for wis:

Translate and type 1 original copy only. Document
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(SF-1070)

MATERIAL FOR THE HISTORY OF THE DEPARTMENT
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~~XXXXXXXXXXXXXXXXXX~~, A. A. GLADYSHEVA, 7 PP..

RUSSIAN, PER, ARKHIV ANATOMII, GISTOLOG
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SCI MED

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JPRS 14137.

SCI - MED

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SCI + MED

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figs. available on loan from OTS

Trans. of Arkhiv Anatomii, Gistologii i Embriologii
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DESCRIPTORS: *Embryology, *Frogs, Epithellum,
Nervous system, *Pituitary gland, *Pineal gland,
Morphology, Thalamus.

(Biological Sciences--Zoology, TT, v. 9, no. 9)

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Koblov, G. A.
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[1962] [33]p. 5 refs. FASEB manuscript no. 5 338-2.
Order from OTS or SLA \$3.60 62-19023

Trans. of Arkhiv Anatomii, Gistologii i Embriologii
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DESCRIPTORS: *Nerve cells, Histology, *Ganglia,
*Autonomic nervous system, Cats, Morphology.

Studies were made at various seasons and days of the
ganglia of the solar plexus, the superior and inferior
mesenteric, stellate and superior cervical ganglia of
90 cats. A great diversity of forms in each stage was
observed. At first two regions of cytoplasm are
formed in the neuron, one differentiated and the other
undifferentiated. The nucleus becomes more compact
and basophilic, and smaller, or is often elongated.
(Biological Sciences--Anatomy, TT, v. 10, no. 6)
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SCI - BIOLOGY

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 [1963] [11p] (figs omitted) 26 refs
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 (USSR) 1962, v. 42, no. 3, p. 55-60. (Abstract
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DESCRIPTORS: *Ganglia, Cells (Biology), *Nerve cells,
 Nervous systems, Heart, *Autonomic nervous system,
 Morphology

In this study of the neurons of the cardiac ganglia of the
 precordium, three distinct types of cells were isolated.
 Type I are identified as multipolar motor neurons. The
 pericellular apparatus of these cells consists of tiny
 knobs and loops under the capsule of the neuron. These
 (Biological Sciences--Anatomy, TT, v. 11, no. 5)(over)

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 Washington, D. C.
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Anatomy of Bronchopulmonary Segments and Collateral
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NIH 3-24-63

Sci - Biol/Med Sci

Vol. 63

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Pinkel'shtein, M. O.

VEINS OF THE MUCOSA OF THE HUMAN TONGUE.

[1963] 8p. 5 refs. FASEB manuscript no. S-124-2

Order from OTS or SLA \$1.10 63-19372

Trans. of Arkhiv Anatomii, Gistologii i Embriologii
(USSR) 1962, v. 42, no. 3, p. 108-114

DESCRIPTORS: *Veins, *Membranes (Physiology),
*Mucus, *Tongue, Man.

I. Pinkel'shtein, M. O.

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Office of Technical Services

(DC-6932)

SOME PROBLEMS IN RADIATION HISTOLOGY, BY
V. P. MIKHAYLOV, 46 PP.

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JPRS 15018

SCI - MED

SEPT 62

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(DC-6932)

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17 PP.

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JPRS 15018

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SEPT 62

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MORPHOLOGICAL IMPAIRMENT OF BONE MARROW INNERVATIONS
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BY A. A. OTELIN, 9 PP.

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JPRS ~~XXXXXX~~ 15018

SCI - MED

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PROCESS OF REGENERATION, BY G. V. YELAKOVA, 10 PP.

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SCI - MED

SEPT 62

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POST-TRAUMATIC REGENERATION OF THE MUCOUS
MEMBRANE OF THE SMALL INTESTINE DURING RADIATION
SICKNESS, BY YE. V. DMITRIYEVA, 15 PP.

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JPRS ~~XXXXXX~~ 15018

SCI - MED

SEPT 62

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(D-5,32)

HISTOLOGICAL CHANGES IN THE EPIDERMIS AFTER
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JPRS 15018

SCI - MED

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THE PROBLEM OF MITOTIC ECINE OF THE CELLULAR
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12 PP.

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SCI - MED
SEPT 62

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(DC-6;32)

A COMPARATIVE STUDY OF RADIATION INJURY OF
MALE AND FEMALE GAMETES IN THE PATHOGENESIS OF
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7 PP.

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JPRS 15018

SCI - MED

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CHANGES IN THE LYMPHATIC BED OF THE MAMMARY
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JPRS 15018

SCI • MED

AUG 62

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(DC-6932)

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LYMPHOID FORMATIONS IN RABBITS DURING RADIATION
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7 PP.

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JPRS 15018

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(NY-7174)

NERVE REGENERATION AND THE PROBLEM OF
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16 PP.

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JPRS 14825

SCI - MEDICINE

AUG 62

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63-23048

Prokhov, M. P.
 ENDOTHELIUM OF THE CARDIAC VALVES IN THE
 CAT, DOG, AND MONKEY. [1963] [11]p. 11 refs.
 FASEB manuscript no. S 193-2.
 Order from OTS or SLA \$1.60 63-23048
 Figs. available on loan from OTS
 Trans. of Arkhiv Anatomii, Gistologii i Embriologii
 (USSR) 1962, v. 42, no. 5, p. 29-34.

DESCRIPTIONS: *Epithelium, *Heart, Cats, Dogs.
 Primates, Tissues (Biology). Cells (Biology).
 Regeneration.

The valvular endothelium of every subject examined
 showed small-celled islets with a large number of
 mitoses. The fact that the small-celled islets and
 numerous amitotically dividing nuclei and cells are
 constantly present in the endothelium of the cardiac
 valves indicates high physiological regeneration
 (Biological Sciences--Physiology, TT, v. 10, no. 7)
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[11] p. 12 refs. FASEB manuscript no. S 194-2.
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Figs. available on loan from OTS
Trans. of Arhiv Anatomii, Gistologii i Embriologii
(USSR) 1962, v. 42, no. 5, p. 83-88.

DESCRIPTORS: Physiology, Morphology, *Lymph,
*Lymphatic system, *Blood circulation, Animals,
Histology.

Perivascular lymphatics in the vertebrates show no definite organ localization. Their presence in various organs is not associated with animal taxonomic groups but is a result of particular anatomical relationships obtaining locally. Perivascular lymphatics are found in sites where the serous or mucous membranes containing the primary lymph plexuses are only loosely
(Biological Sciences- Physiology, TT, v. 10, no. 7)

(over)

- I. Title: Vertebrates
1. Sviridov, A. I.
- II. FASEB S-194-2
- III. Federation of American Societies for Experimental Biology, Washington, D. C.
- IV. Scripta Technica, Inc., Washington, D. C.

Office of Technical Services

Gryaznova, A. V.
LIGATION OF THE THORACIC DUCT IN DOGS. 1963,
5p
Order from IASEB in Federation Proceedings, 1963,
v. 22, no. 5, pt. 2, \$2.00

Trans. of Arkhiv Anatomii, Gistologii i Embriologii
(USSR) 1962, v. 42, no. 5, p. 90-[97].

DESCRIPTORS: *Obstruction (Physiology), Dogs,
*Lymphatic system, *Lymph, Anatomy, Circulatory
system

(Biological Sciences, TT, v. 11, no. 1)

TT-63-17973-5
(p. T886-T890)

1. Title: Lymphatic
circulation
2. Title: Thoracic duct
- I. Gryaznova, A. V.
- II. Federation of American
Societies for Experi-
mental Biology,
Washington, D. C.

Office of Technical Services

SOME Protective-Adaptive Mechanisms of Air-Carrying
Pathways Under Conditions of Air Dust Pollution,
by P. D. Filatova, 29 pp.

RUSSIAN, *med.*, *Arkhiv Anatomi, Gistologii, i
Embriologii*, Vol XLII, No 6, 1962, pp 3-23.

JPRS 15823

Sci - Med

117,002

Oct 62

Khadzhaselimovich, Kh.
POSITION OF THE POSTERIOR SEMICIRCULAR
CANAL IN MAN. [1963] [7p] 14refs FASEB Manu-
script no.: S 157-2.
Order from CTS, SLA, or ETC \$1.10 TT-63-24470

Trans. of Arkhiv Anatomii, Gistologii i Embriologii
(USSR) 1962, v. 42, no. 6, p. 84-87.

DESCRIPTORS: *Ear, Bone, Head.

Descriptions are given of the position of the posterior
semicircular canals in the pyramids of the temporal
bone on both sides of the same skull and also in differ-
ent skulls.

(Biological Sciences--Anatomy, TT, v. 11, no. 6)

I. Khadzhaselimovich, Kh.
II. FASEB-S-157-2
III. Federation of American
Societies for Experi-
mental Biology,
Washington, D. C.
IV. Scripta Technica, Inc.,
Washington, D. C.

Office of Technical Services

Balko, G. F.
AGE CHARACTERISTICS AND VARIABILITY OF
ARTERIES IN HUMAN CEREBRAL DURA MATER.
Jan/Feb 64, 5p
Order from FASEB \$2.00 in Federation Proceedings
Translation Supplement, 1964, v. 23, no. 1,
(p. T129-T133)

Trans. of Arkhyo Anasomil, Gistologit i Embriologit
(USSR) 1962, v. 42, no. 6, p. 888.

DESCRIPTORS: *Aging (Physiology), *Arteries,
*Meninges, Blood circulation, Brain.

(Biological Sciences--Physiology, TT, v. 11, no. 10)

TT-64-12541-1 (p. T129-T133)

- I. Balko, G. F.
- II. Federation of American
Societies for Experi-
mental Biology,
Washington, D. C.

Office of Technical Services

Skobelkin, O. K.
REGENERATION OF THE WALL OF THE AORTA
FOLLOWING GRAFTING WITH A DMPHRAGMATIC
PATCH. [1963] [17p] 13 refs FASEB manuscript
no. S 159-2.

Order from GTS, SLA, or ETC \$1.60 TT-64-13506

Trans. of Arkhiv Anatomi, Gistologii i Embriologii
(USSR) 1962, v. 42, no. 6, p. 97-102.

DESCRIPTORS: Regeneration, *Aorta, *Plastic surgery,
Transplantation, *Diaphragm.

(Biological Sciences--Surgery, TT, v. 11, no. 8)

TT-64-13506

- I. Skobelkin, O. K.
- II. FASEB-S-159-2
- III. Federation of American
Societies for Experimental
Biology, Washington, D. C.
- IV. Scripta Technica, Inc.,
Washington, D. C.

Office of Technical Services

Sokolov, V. B.

THE FUNCTIONAL IMPORTANCE OF THE NERVES
OF THE LIGAMENTA DENTICULATA OF THE
SPINAL CORD. 11963. 118 p. 15 refs. FASEB manu-
script no. S-198-2
Order from OTS or SLA \$1.60 (63-23046)

Tran. of Acad. Sci. USSR, Div. Biol. Sci.,
(USSR) 1962, 2343, no. 8, p. 35-42.

DESCRIPTORS: Physiology, *Nerves, *Spinal cord,
Morphology, *Autonomic nervous system, Histology.

The comparison of the morphological findings with the
results of the experimental physiological study of the
functional importance of the nerves of the ligamenta
denticulata of the spinal cord shows that these liga-
ments form one of the ways by which preganglionic
sympathetic fibers leave the spinal cord for the per-
(Biological Sciences--Physiology, TT. v. 10, no. 7)

(over)

I. Title: Ligamentum
denticulata

I. Sokolov, V. B.

II. FASEB S-198-2

III. Federation of American
Societies for Experi-
mental Biology,
Washington, D. C.

IV. Scripta Technica, Inc.,
Washington, D. C.

Office of Technical Services

Aknaev, I. G.
CHANGES IN ADENOHYPOPHYSIS FOLLOWING
EXCISION OF SUPERIOR CERVICAL SPINAL
GANGLIA. Jan/Feb 64, 5p
Order from FASEB \$2.00 in Federation Proceedings
Translation Supplement, 1964, v. 23, no. 1
(p. T117-T121)

Trans. of *Arkhiv Anatomi, Gistologii i Embriologii*
(USSR) 1962, v. 43, no. 9, p. 23ff.

DESCRIPTORS: Endocrine glands, *Pituitary gland,
Excision, *Ganglia, Secretion, *Autonomic nervous
system, *Hormones.

(Biological Sciences--Physiology, TT, v. 11, no. 10)

T1-04-12541-1 (p. T117-T121)

I. Aknaev, I. G.
II. Federation of American
Societies for Exper-
imental Biology,
Washington, D. C.

Office of Technical Services

Primaev, E. Kh.
MORPHOLOGICAL AND FUNCTIONAL FEATURES
OF THE CELLS OF THE CERVICOTHORACIC
PARAGANGLIA IN RELATION TO THEIR DIFFER-
ENTIATION. (1963) [25p] 40refs FASEB Manuscript
no.: S 393-2.

Order from OTS, SLA, or ETC \$2.60 TT-63-24520
figs. available on loan from OTS

Trans. of Archiv Anatomii, (Gistologii i Embriologii
(USSR) 1962, v. 43, no. 9, p. 66-75. (Abstract
available)

DESCRIPTORS: Morphology (Biology), Cells (Biology),
*Ganglia, *Autonomic nervous system, Physiology,
*Chemoreceptors.

The paper contains a critical evaluation of data obtained
by the author for the sources of the specific cells of
the cervicothoracic paraganglia in birds and mammals
and attempts to explain some of the morphological and
(Biological Sciences--Anatomy, TT, v. 11, no. 7)(over)

- I. Primaev, E. Kh.
- II. FASEB-S-393-2
- III. Federation of American
Societies for Experi-
mental Biology,
Washington, D. C.
- IV. Scripta Technica, Inc.,
Washington, D. C.

Office of Technical Services

Pchelyakov, V. F.
EARLY STAGES IN THE DEVELOPMENT OF THE
EYELIDS IN MAN. [12p] 12 refs FASEB
Manuscript no.: S 394-2
Order from OTS, SLA, or ETC \$1.60 TT-63-24521
figs. available on loan from OTS
Trans. of Arkhiv Anatomi, Gistologii i Embriologii
(USSR) 1962, v. 43, no. 9, p. 83-87.

DESCRIPTORS: *Eye. *Embryology. Man.

11-63-24521

1. Title: Eyelids
- I. Pchelyakov, V. F.
- II. FASEB-S-394-2
- III. Federation of American
Societies for Experi-
mental Biology,
Washington, D. C.
- IV. Scripta Technica, Inc.,
Washington, D. C.

(Biological Sciences--Anatomy, ITT, v. 11, no. 6)

Office of Technical Services

Zhdanov, D. A. and Sapin, M. R.
FUNCTIONAL VIEW OF EXTRAORGANIC BLOOD
VESSELS IN THE HUMAN HYPOPHYSIS. 1963, 7p
Order from FASEB in Federation Proceedings, 1963,
v. 22, no. 5, p. 2, \$2.00

Trans. of Arkhy Anatomii, Gistologii i Embriologii
(USSR) 1962, v. 43, no. 10, p. 3ff.

DESCRIPTORS: Blood circulation, *Blood vessels,
Brain, *Pituitary gland, *Capillaries

(Biological Sciences, IT, v. 11, no. 1)

- I. Zhdanov, D. A.
- II. Sapin, M. R.
- III. Federation of American
Societies for Experimental Biology,
Washington, D. C.

Office of Technical Services

Kapustina, E. V.
THE ARTERIAL BLOOD SUPPLY OF HEPATIC
LOBULES. [1963] (44p) (figs omitted) 21 refs FASEB
Manuscript no. S449-2
Order from OTS, SLA or ETC \$4.60 TT-63-23883
figs available on loan from OTS

Trans. of Arkhiv Anatomi, Gistologii i Embriologii
(USSR) 1962, v. 43, no. 10, p. 19-35.

DESCRIPTORS: *Blood circulation, Arteries, *Liver,
Capillaries.

(Biological Sciences--Anatomy, TT, v. 11, no. 3)

TT 63-23883

- I. Kapustina, E. V.
- II. FASEB S-449-2
- III. Federation of American
Societies for Experi-
mental Biology,
Washington, D. C.
- IV. Scripta Technica Inc.,
Washington, D. C.

Office of Technical Services

Anichkov, M. N. and Lev, I. D.
ANALYSIS OF THE COLLATERALS THAT DEVELOP
IN COARCTATION OF THE AORTA IN MAN. [1962]
[48]p. 37 refs. FASHBS 450-2.

Order from OTS or SLA \$4.60

63-23043

Trans. of Akhiv Anzomli. Gistologii i Embriologii
(USSR) 1962, v. 43, no. 10, p. 36-54.

DESCRIPTORS: *Blood circulation, *Aorta, Angi-
ography, *Obstruction (Physiology), Surgery, Contrast
media, Diagnostic agents, Anomalies.

Diagrams of collateral circulation of 60 patients were
made by aortography using a contrast media injected
into the aorta through the left carotid artery. The
diagrams contrasted from these aortographs were com-
pared with what was found on 40 of the patients who had
aortic surgery. A diagram was compiled of the col-
(Biological Sciences--Anatomy. TT, v. 10, no. 9)(over)

III. FASHBS 450-2
IV. Federation of American
Societies for Experi-
mental Biology
Washington, D. C.
V. Scripta Technica, Inc.,
Washington, D. C.

Office of Technical Services

63-23848

Bardina, R. A.
 ALTERATIONS IN THE MICROSTRUCTURE OF THE
 WALLS OF ARTERIAL COLLATERALS FOLLOWING
 DEAFFERENTATION OF THE CANINE HIND LIMB.

[1963] [32] p. 62 refs. FASEB manuscript no. S 451-2.
 Order from OTS or SLA \$3.60 63-23848

Figs. available on loan from OTS

Trans. of Arkhiv Anatomii, Gistologii i Embriologii
 (USSR) 1962, v. 43, no. 10, p. 61-70.

DESCRIPTORS: *Blood vessels, *Arteries, Legs,
 Histology, Excision, Nerves, *Autonomic nervous
 system, *Blood circulation, Reflexes, Dogs.

Elimination of the afferent link in the reflex arc of the
 canine hind limbs (deafferentation) has an effect on the
 formation of arterial collaterals that develop after
 resection of major arteries in the extremity. The wall
 structure of the arterial collaterals underwent con-
 siderable modification mainly affecting the muscle
 (Biological Sciences--Pathology, IT, v. 10, no. 11) (over)

- I. Bardina, R. A.
- II. FASEB S-451-2
- III. Federation of American
Societies for Experimental
Biology, Washington, D. C.
- IV. Scripta Technica, Inc.,
Washington, D. C.

Office of Technical Services

63-23053

Tekhver, Yu. T.
HISTOLOGICAL TERMINOLOGY. [1963] [31]p. 30 refs.
FASEB manuscript no. S 68-3.
Order from OTS or SLA \$3.60 63-23053

Trans. of Arkhiv Anatomii, Gistologii i Embriologii
(USSR) 1962, v. 43, no. 11, p. 3-11.

DESCRIPTORS: *Histology, Histological techniques,
Identification, Standardization.

- I. Tekhver, Yu. T.
- II. FASEB S-69-3
- III. Federation of American
Societies for Experimental Biology,
Washington, D. C.
- IV. Scripta Technica, Inc.,
Washington, D. C.

(Biological Sciences, TT, v. 10, no. 9)

Office of Technical Services

Petrov, V. S.
AN ELECTRON MICROSCOPIC STUDY OF THE
NERVE CELLS AND CERTAIN EXTRACELLULAR
ELEMENTS OF THE GANGLIA OF THE SOLAR
PLEXUS. [1963] [22]p. 44 refs. FASEB manuscript
no. S 69-3.
Order from OTS or SLA \$2.60 65-23860
Figs. available on loan from OTS
Trans. of Am. Soc. Anat., Gistologii i Embriologii
(USSR) 1962, v. 43, no. 11, p. 12-18.

DESCRIPTORS: *Electron microscopy, Nerve cells,
*Ganglia, *Autonomic nervous system.

- I. Title: Solar plexus.
I. Petrov, V. S.
II. FASEB S-69-3
III. Federation of American
Societies for Experimental
Biology, Washington, D. C.
IV. Scripta Technica, Inc.,
Washington, D. C.

(Biological Sciences--Anatomy, TT, v. 10, no. 11)

Office of Technical Services

TT-63-24452

Speranskii, V. S.
**PULMONARY ZONES AND SEGMENTS FROM THE
 STANDPOINT OF COMPARATIVE ANATOMY.** [1963]
 [38p] 22 refs FASEB Manuscript no.: S 71-3.
 Order from OTS, SLA, or ETC \$3.60 TT-63-24452
 figs. available on loan from OTS
 Trans. of Arkhiv Anatomii, Gistologii i Embriologii
 (USSR) 1962 [v. 43] no. 11, p. 29-45.
 (Abstract available)

DESCRIPTORS: Anatomy, Veins, Arteries, *Lungs,
 Evolution, Mammals, Contrast media, *Blood
 circulation.

The pulmonary vessels and bronchi of 160 lung
 preparations from 20 species of mammals were
 injected with radiocontrast media and colored masses
 to study the blood vessel distribution in relation to
 the lobular and segmental structure of the lungs. A
 table compares the segmental structure of the human
 (Biological Sciences--Anatomy, TT, v. 11, no. 5) (over)

- I. Speranskii, V. S.
- II. FASEB-S-71-3
- III. Federation of American
Societies for Experimental
Biology, Washington, D. C.
- IV. Scripta Technica, Inc.,

Office of Technical Services

TT- 63- 23861

Gleiberman, S. E.
AGE MORPHOLOGY OF THE HUMAN VERMIFORM
APPENDIX. [1963] [16p] (figs omitted) 16 refs
FASEB Manuscript no. S 72-3.
Order from OTS, SLA or ETC \$1.60 TT-63- 23861
figs available on loan from OTS

Trans. of Am. Soc. Anat. [Histology & Embryology]
(USSR) 1962, v. 43, no. 11, p. 45-52.

DESCRIPTORS: *Aging (Physiology), Cytochemistry,
Man, *Intestines, Morphology.

(Biological Sciences--Anatomy, TT, v. 11, no. 3)

- I. Title: Vermiform appendix
- I. Gleiberman, S. E.
- II. FASEB S-72-3
- III. Federation of American Societies for Experimental Biology, Washington, D. C.
- IV. Scripta Technica, Inc., Washington, D. C.

Office of Technical Services

Khodos, A. B.
VASCULARIZATION OF THE PENIS. [1963] [18p]
(figs omitted) 34 refs FASEB manuscript no. S 73-3.
Order from GTS, SLA, or ETC \$1.60 TT-64-13487

Trans. of Arkhiv Anatomii, Gistologii i Embriologii
(USSR) 1962, v. 43, no. 11, p. 52-58.

DESCRIPTORS: *Reproduction system, *Blood vessels.

- I. Khodos, A. B.
- II. FASEB-S-73-3
- III. Federation of American
Societies for Experimental
Biology, Washington, D. C.
- IV. Scripta Technica, inc.,
Washington, D. C.

(Biological Sciences--Anatomy, TT, v. 11, no. 9)

Office of Technical Services

Astanin, L. P.

ALTERATIONS IN THE PROPORTIONS OF THE
HUMAN HAND. [1963] [33]p. 47 refs. FASEB
manuscript no. S 74-3

Order from OTS or SLA \$3.60 63-23852

Trans. of Arkhiv Anatomi, Gistologii i Embriologii
(USSR) 1962, v. 43, no. 11, p. 58-67

DESCRIPTORS: *Arms, Genetics, *Bones, Evolution,
*Anthropometry, Anthropology.

- I. Astanin, L. P.
- II. FASEB S 74-3
- III. Federation of American
Societies for Experimental
Biology, Washington, D. C.
- IV. Scripta Technica, Inc.,
Washington, D. C.

(Biological Sciences--Anatomy, TT, v. 10, no. 11)

Office of Technical Services

63-23863

Alzenberg, M. F.
 THE MORPHOLOGY OF THE SYMPHYSIS PUBIS
 [1963] [20]p. 18 refs. FASEB manuscript no. S75-3.
 Order from OTS or SLA \$1.60 63-23863
 figs available from OTS on loan

Trans. of Akkiv Anatomii, Gistologii i Embriologii
 (USSR) 1962, 43, no. 11, p. 68-76.

DESCRIPTORS: Morphology, *Bone, *Anatomy,
 *Joints (Physiology).

The symphysis pubis exhibits highly original features
 including sexual features and individual differences.
 In children and the majority of males the symphysis
 pubis is most frequently a jointless fusion to which the
 term symphysis is properly applied. The appearance
 of a fissure in the centre of the fibrocartilage provides
 some mobility and converts it into a hemiarthrosis
 which is no longer a junction but not yet a full joint.
 (Biological Sciences--Anatomy, TT, v. 10, no. 11)
 (over)

1. Title: Symphysis pubis
- I. Alzenberg, M. F.
- II. FASEB S-75-3
- III. Federation of American
 Societies for Experimental
 Biology, Washington, D. C.
- IV. Scripta Technica, Inc.,
 Washington, D. C.

Office of Technical Services

Mavrinskaya, L. F.
EVOLUTIONARY AND MORPHOLOGICAL CHANGES
IN VERTEBRATE JUNCTIONS. 1963, 15p

Order from BASEB in Federation Proceedings, 1963,
v. 22, no. 5, pt. 2, \$7.00

Trans. of Archiv Anatomii, Gistologii i Embriologii
(USSR) 1962, v. 13, no. 12, p. 3ff. (Abstract available)

DESCRIPTORS: *Evolution, Morphology, *Neuro-
muscular transmission, Nerves, *Muscles, Nerve
cells, *End organs

The evolution of the myoneural junction in vertebrates
is inseparably associated with the historical develop-
ment of the muscle system. It is probable that the
original, unspecialized single and free ending gave rise
to the process of divergent evolution ultimately to two
main specialized forms: the terminal bundle and the
(Biological Sciences, TT, v. 11, no. 1) (over)

p. 1000-1006

1. Title: Myoneural junctions
L. Mavrinskaya, L. F.

II. Federation of American
Societies for Experimen-
tal Biology,
Washington, D. C.

Office of Technical Services

RUSSIAN, PER, ARKHIV ANATOMII, HISTOLOGII I

EMBRIOLOGII, VOL XLIII, NO 12, 1963, PP 21-24.

BY A. L. SHALADAKOVA.

RUSSIAN, PER, ARKHIV ANATOMII, HISTOLOGII I
EMBRIOLOGII, VOL XLIII, NO 12, 1963, PP 21-24.

JPRS 18475

SCI - BIOL & MED

APR 63

227,441

RIKXPRIRXEXXMXLYXXHXXPRXRX

Orlovskii, Yu. A.

THE BLOOD VESSELS OF THE MENISCI OF THE
HUMAN KNEE JOINT. [1963] [13p] 38refs

FASEB Manuscript no. S112-3.

Order from OTS, SLA, or ETC \$1.60 TT-63-24456
figs. available on loan from OTS

Trans. of Arkhiv Anatomi, Gistologii i Embriologii
(USSR) 1962, v. 43, no. 12, p. 77-83.

DESCRIPTORS: *Legs, *Joints (Physiology),
*Cartilage, Blood vessels.

- I. Orlovskii, Yu. A.
- II. FASEB-S-112-3
- III. Federation of American
Societies for Experimental Biology,
Washington, D. C.
- IV. Scripta Technica, Inc.,
Washington, D. C.

(Biological Sciences--Anatomy, TT, v. 11, no. 6)

Office of Technical Services

Gurvich, A. S.
THE MORPHOLOGY OF THE NERVE ELEMENTS OF
THE CAROTID SINUS REGION IN KITTENS DURING
THE FIRST MONTH OF LIFE IN NORMAL AND
ANOXIC CONDITIONS. [1963] [17]p. 33 refs. FASEB
manuscript no. S 214-3.
Order from: OTS or SLA \$1.60 63-23829

Trans. of Archiv Anatomii, Gistologii i Embriologii
(USSR) 1963, v. 41, no. 1, p. 69-77.

DESCRIPTORS: Morphology, *Nerve cells, *Carotid
sinus, *End organs, Cats, Infants, *Hypoxia,
Chemoreceptors.

(Biological Sciences--Pathology, TT, v. 10, no. 11)

- I. Gurvich, A. S.
- II. FASEB S-214-3
- III. Federation of American
Societies for Experimental
Biology, Washington, D. C.
- IV. Scripta Technica, Inc.,
Washington, D. C.

Office of Technical Services

Sudzilovskii, F. V. and Khromov, O. P.
MORPHOLOGICAL CHANGES IN THE CERVICAL
PORTION OF THE VERTEBRAL COLUMN IN
WRESTLERS. [1963] [15p] 28refs FASEB Ms
no.: S347-3.

Order from OIS, SLA, or ETC \$1.60 TT-64-1:826
figs. available on loan from OIS

Trans. of Arkhiv Anatomi, Gistologii i Embriologii
(USSR) 1963, v. 44, no. 2, p. 66-72.

DESCRIPTORS: Morphology (Biology), *Spinal column,
Head, Skeleton, *Musculoskeletal system, joints
(Physiology), *Adaptation (Physiology), *Exercise,
Recreation.

(Biological Sciences--Physiology, TT, v. 11, no. 3)

- I. Sudzilovskii, F. V.
- II. Khromov, O. P.
- III. FASEB-S-347-3
- IV. Federation of American
Societies for Experi-
mental Biology,
Washington, D. C.
- V. Scripta Technica, Inc.,
Washington, D. C.

Office of Technical Services

THE INFRAORBITAL VENOUS BED OF THE HUMAN
CYBERNETIC TUBE [1963] [15p] (High omitted) 13 refs
FASER number: K 60, S350-3.
Order from OIS, SLA, or RHC \$1.50 TT-64-11412

Trans. of Arkhiv Anatomii, Gistologii i Embriologii
(USSR) 1963, v. 44, no. 2, p. 87-93.

DESCRIPTORS: "Reproductive system, "Veins.

(Biological Sciences--Anatomy, TT, v. 11, no. 9)

I. Gerasimov, M. D.
II. FASER-S-350-3
III. Federation of American
Societies for Experimental
Biology, Washington, D.
IV. Scripta Technica, Inc.,
Washington, D. C.

Office of Technical Services

DEVELOPMENT OF AFFERENT AND EFFECTOR INNERVATION OF
SOMATIC MUSCULATURE, BY A. A. KLICKIN, 1963.

RUSSIAN, PER, ARKHIY ANATOMI I GISTOLOGII I EMBRIOLOGII,
VOL XIV, NO 2, 1963, PP 33-112.

JPRS 21415

SCI-BIOL & MED
OCT. 63

345,952

Zhdanov, D. A.
G. M. IGGINOV'S SCIENTIFIC LEGACY AND THE
FUTURE DEVELOPMENT OF THE ANATOMY OF
THE LYMPHATIC SYSTEM. [1963] [33p] FASEB
manuscript no. S 390-3.
Order from OTS, SLA, or ETC \$3.60 TT-64-13401
figs available on loan from OTS
Trans. of Arkhiv Anatomii, Gistologii i Embriologii
(USSR) 1963, v. 44, no. 3, p. 3-18.

DESCRIPTORS: *Lymphatic system, Anatomy.

(Biological Sciences--Anatomy, TT, v. 11, no. 9)

- I. Zhdanov, D. A.
II. Iosifov, G. M.
III. FASEB-S-390-3
IV. Federation of American
Societies for Experimental
Biology, Washington, D.C.
V. Scripta Technica, Inc.,
Washington, D. C.

Office of Technical Services

TT-64-1340

Revazov, V. S.
THE ANATOMY OF THE EFFERENT LYMPHATIC
VESSELS OF THE ADULT HUMAN STOMACH.
[1963] [19p] 7 refs FASEB manuscript no.: S 391-3.
Order from OTS, SLA, or ETC \$1.60 TT-64-13400
figs available on loan from OTS
Trans. of Archiv Anatomii, Gistolologii i Embriologii
(USSR) 1963, v. 44, no. 3, p. 19-28.

DESCRIPTORS: Anatomy; *Lymphatic system,
*Stomach, Cancer.

- I. Revazov, V. S.
- II. FASEB-S-391-3
- III. Federation of American
Societies for Experimental
Biology, Washington, D. C.
- IV. Scripta Technica, Inc.,
Washington, D. C.

(Biological Sciences--Anatomy, TT, v. 11, no. 9)

Office of Technical Services

TT-64-13399

Kakharov, A.
LOCAL CHARACTERISTICS OF THE LYMPHATIC
AND BLOOD VESSELS OF THE JEJUNUM AND
ILEUM IN MAN. [1963] [38p] 47 refs FASEB-S-392-3.
Order from CTS, SLA, or HTC \$3.60 TT-64-13399

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DESCRIPTORS: "Lymphatic system, "Blood vessels,
"Intestines.

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 (USSR) 1963, v. 44, no. 3, p. 48-62.

DESCRIPTORS: Anatomy, *Blood vessels, *Lym-
 phatic system, *Gastrointestinal system, *Capillaries.

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Jan/Feb 64, 9p
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Translation Supplement, 1964, v. 23, no. 1
(p. T159-T167)

Trans. of Arkhiv Anatomii, Gistologii i Embriologii
(USSR) 1963, v. 44, no. 3, p. 68ff.

DESCRIPTORS: *Lymphatic system, Lymph, Man,
Capillaries, Blood circulation, *Reproductive system,
Urinary system.

(Biological Sciences--Anatomy, TT, v. 11, no. 10)

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PRINCIPAL FEATURES OF THE EVOLUTION AND
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ABDOMINAL CAVITY IN MAN. Jan/Feb 64, 7p
Order from BASEB \$2.00 in Federation Proceedings
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(USSR) 1963, v. 44, no. 3, p. 91R.

DESCRIPTORS: *Evolution, *Lymphatic system,
Glands, Man, *Abdomen.

(Biological Sciences, TT, v. 11, no. 10)

TT-64-12541-1 (p. T168-T174)

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LYMPHATIC CAPILLARIES AND BLOOD VESSELS OF
MILKY SPOTS IN THE HUMAN GREATER OMENTUM.
Jan/Feb 64, 5p
Order from FASEB \$2.00 In Federation Proceedings
Translation Supplement, 1964, v. 23, no. 1
(p. T150-T154)

Trans. of Arkhiv Anatomii, Gistologii i Embriologii
(USSR) 1963, v. 44, no. 3, p. 115ff.

DESCRIPTORS: *Lymphatic system, *Capillaries,
Blood vessels, *Intestines, Absorption (Biological),
Peritonium.

(Biological Sciences--Anatomy, TT, v. 11, no. 10)

TI-64-12541-1 (p. T150-T154)

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Order from OIS, SLA, or ETC \$1.60 TT-64-13479
figs. available on loan from OIS
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(USSR) 1963, v. 44, no. 3, p. 121-127.

DESCRIPTORS: Body fluids, *Nerves, *Spinal cord,
*Lymphatic system, Lymph, Morphology (Biology).

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Trans. of Arkhiv Anatomii, Gistologii i Embriologii
(USSR) 1963, v. 44, no. 4, p. 100-105.

DESCRIPTORS: *Embryos, Growth (Physiology),
*Throat.

(Biological Sciences--Anatomy, TT, v. 11, no. 8)

TT-64-13829

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